



Molecular Imprints, Inc. NOV 30 2004

LEGAL DEPARTMENT

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FACSIMILE TRANSMITTAL SHEET

TO: Examiner Timothy Howard Meeks
Group Art Unit 1762

FROM: Kenneth C. Brooks
Reg. No. 38,393

COMPANY:
United States Patent and Trademark Office

DATE:
November 30, 2004

FAX NUMBER:
703-872-9306

TOTAL NO. OF PAGES INCLUDING COVER:
10

RE:

Duplicate Replacement Drawings
U.S. Patent Application No. 09/905,718
Filing Date: 05/16/2001
Entitled: METHOD FOR FABRICATING NANOSCALE PATTERNS IN LIGHT CURABLE
COMPOSITIONS USING AN ELECTRIC FIELD
Our Ref. No.: PA27-02Q12


DUPLICATE REPLACEMENT DRAWINGS

Dear Examiner:

The Replacement Drawings mailed to the USPTO on October 12, 2004 for the above-identified application are not appearing on PAIR as of this date. Attached are copies of the drawings and transmittal, as well as a copy of the return-receipt postcard postmarked October 15, 2004 by the USPTO. Please process these drawings as timely filed, and in response to the "Notice Regarding Drawings" of October 20, 2004.

Thank you for your attention to this matter.

Very truly yours,


Kenneth C. Brooks

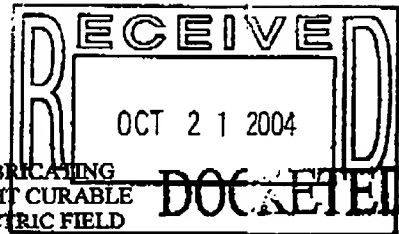
Please see attached:
Copy of Transmittal (1 pg)
Copy of Replacement Drawings (7 pgs)
Copy of Return-Receipt Postcard, date-stamped (1 pg)

KCB:kep

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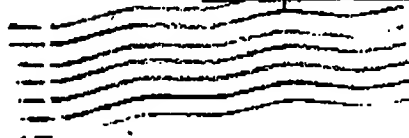
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicant: Willson et al.
Title: METHOD AND SYSTEM FOR FABRICATING
NANOSCALE PATTERNS IN LIGHT CURABLE
COMPOSITIONS USING AN ELECTRIC FIELD
App. No.: 09/905,718 Filed: 05/16/2001
Any Dkt No. PA27-02Q12



- ☒ Replacement Drawings (7 pgs)
☒ Return Receipt Postcard

Dated: 10/12/04



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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/905,718	
	Filing Date	05/16/2002	
	First Named Inventor	Willson et al.	
	Art Unit	1762	
	Examiner Name	Bernard D. Pianalto	
Total Number of Pages in This Submission	8	Attorney Docket Number	PA27-02Q12

ENCLOSURES (Check all that apply)		
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Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Kenneth C. Brooks, Reg. No. 38,393	
Signature	<i>[Signature]</i>	
Date	10/11/04	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Katrina Prati	
Signature	<i>[Signature]</i>	Date 10/12/04

This collection of information is required by 37 CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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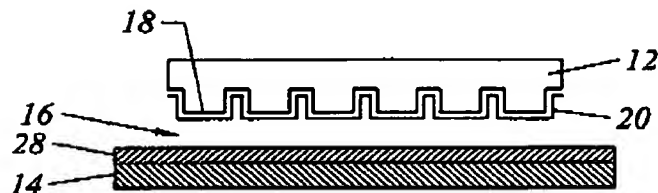


FIG. 1A

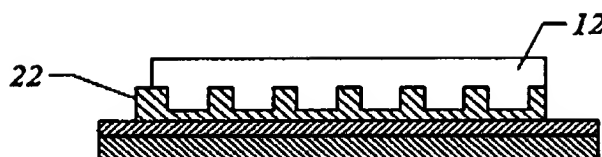


FIG. 1B

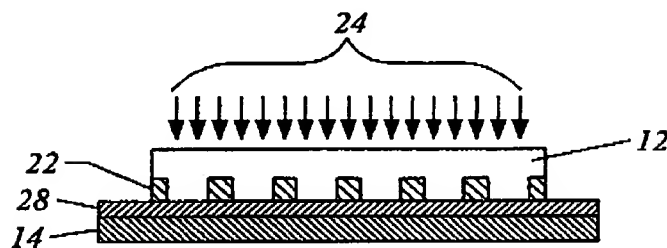


FIG. 1C

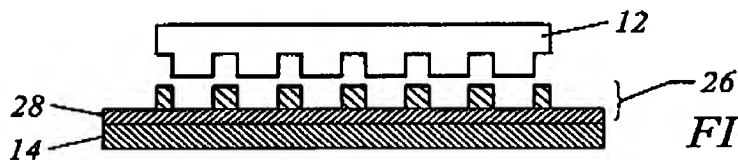


FIG. 1D



FIG. 1E

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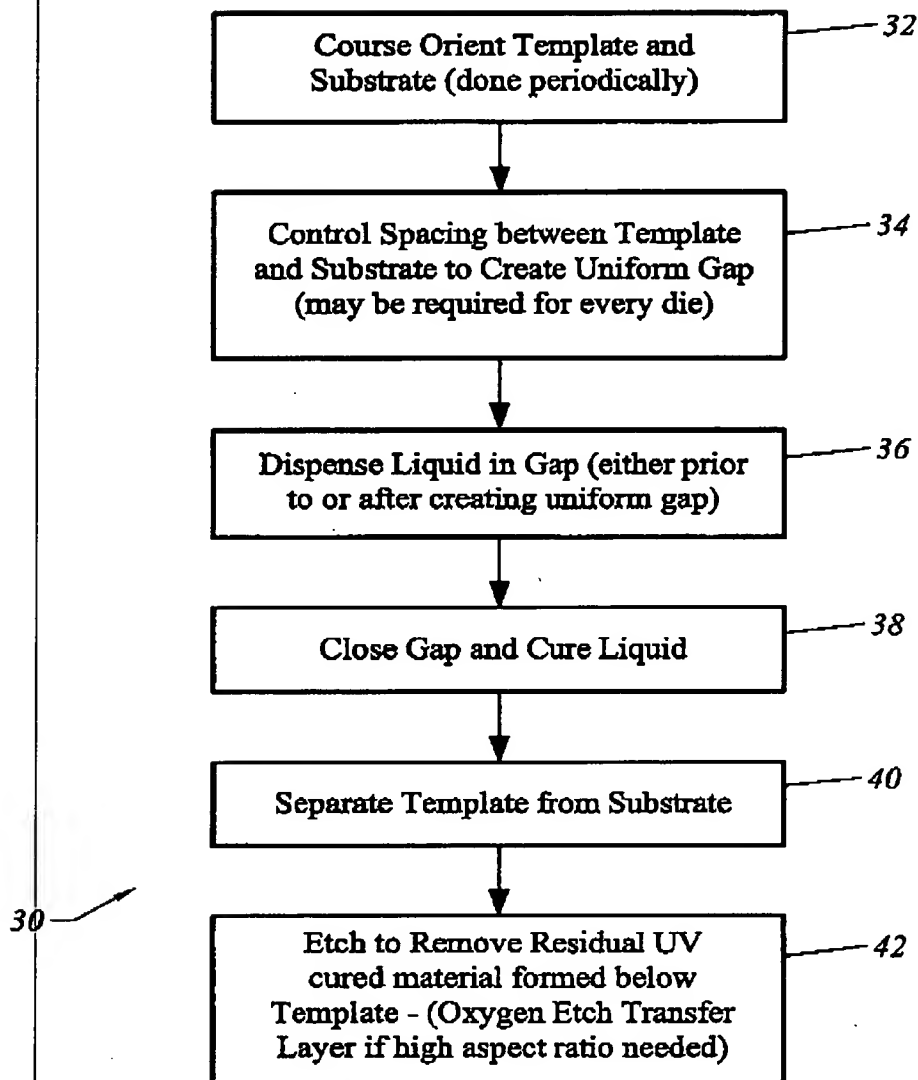
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*FIG. 2*

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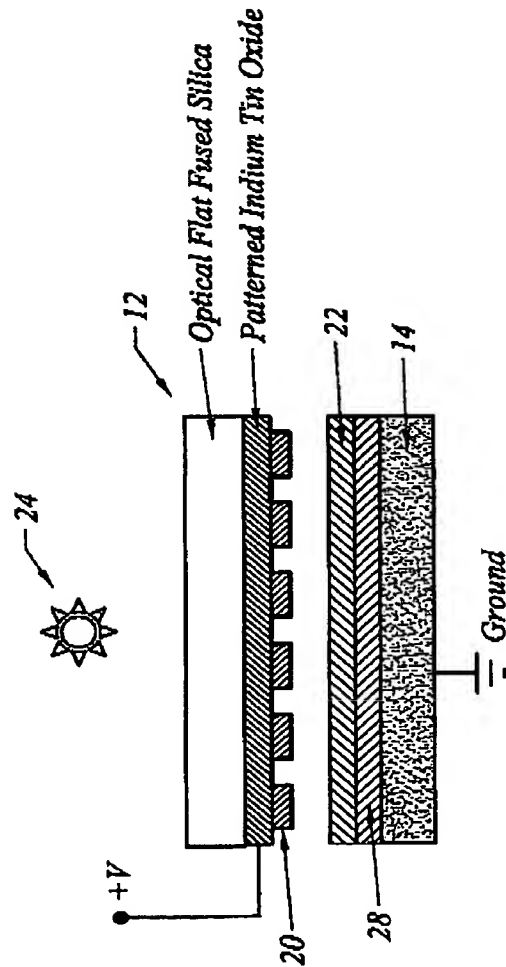


FIG. 3

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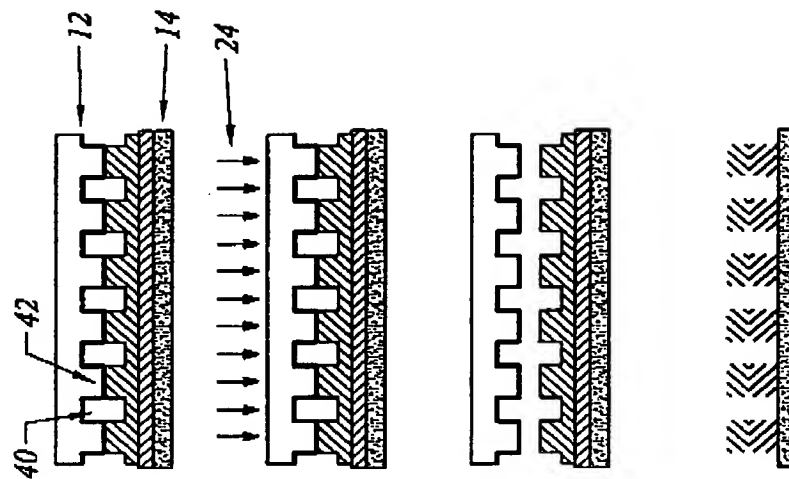
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**FIG. 4**

- Apply electric field and maintain uniform gap to induce the liquid to adhere to the template
- UV cure the liquid
- Separate the template from the substrate
- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

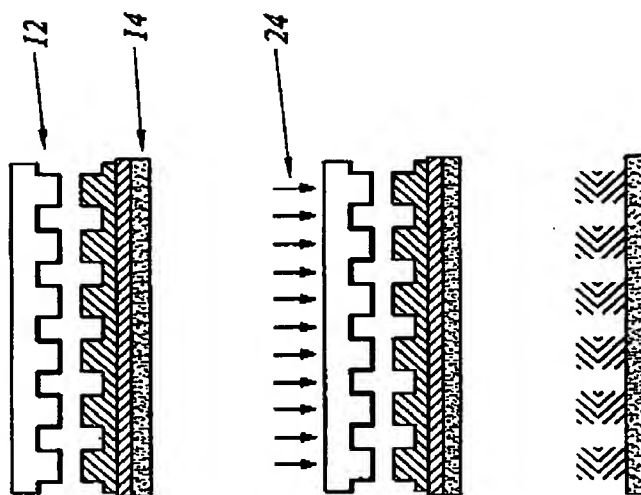
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- Apply electric field and maintain uniform gap to induce the liquid to be attracted to the template without making contact

- UV cure the liquid

- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

FIG. 5

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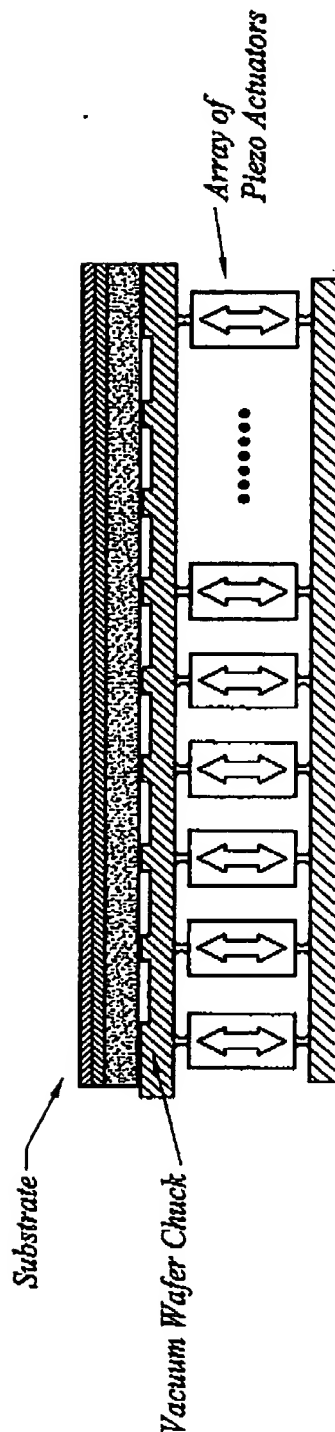


FIG. 6

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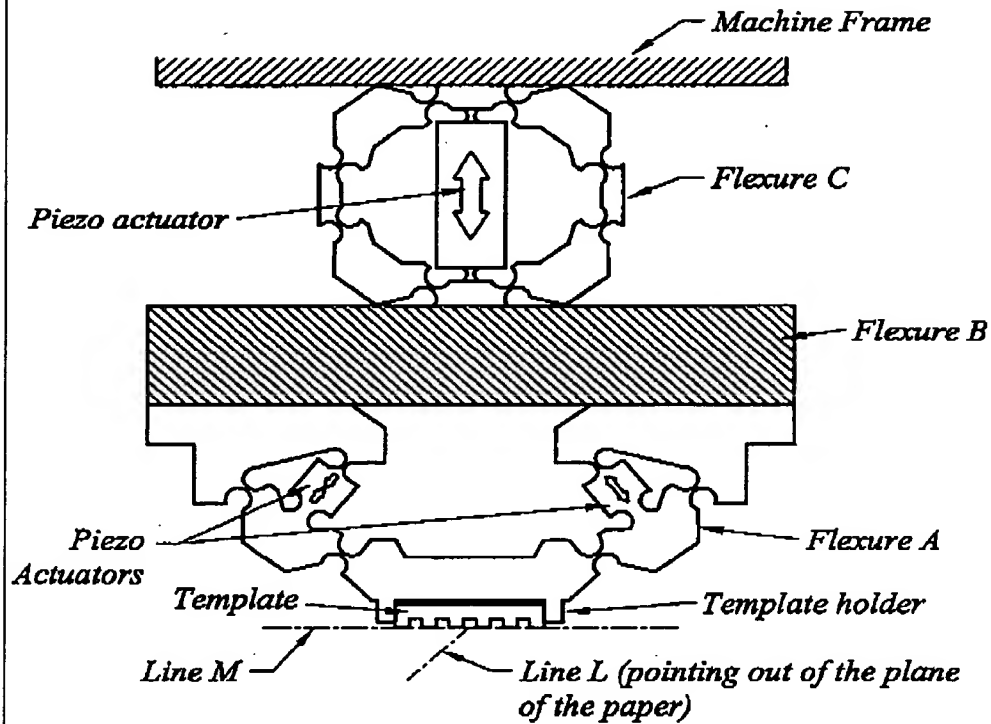


FIG. 7

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